## Printed by EAST

UserID: SAzarian

Computer: WS08483

**Date:** 02/10/2003

**Time:** 05:53

	Туре	L#	Hits	Search Text	DBs	Time Stamp
1	BRS	L1	56778	((hand-held) or (hand adj held) or (portable with data) or (pds))	USPAT	2003/02/10 05:49
2	BRS	L2	10081	1 and scann\$	USPAT	2003/02/10 05:47
3	BRS	L3	4589	2 and (keys or keyboard)	USPAT	2003/02/10 05:48
4	BRS	L4	2366	3 and screen\$	USPAT	2003/02/10 05:51
5	BRS	L5	1765	4 and ((hand-held) or (hand adj held))	USPAT	2003/02/10 05:50
6	BRS	L6	1536	5 and (via or web)	USPAT	2003/02/10 05:50
7	BRS	L7	57	6 and (screen adj input)	USPAT	2003/02/10 05:51

	Comments	Error Definition	err ors
1			0
2			0
3			0
4		Truncation overflow.	1
5			0
6			0
7			0

	บ	1	Г	ocument	ID	Issue Date	Pages
1			US	6515595	B1	20030204	63
2	×		US	6507352	B1	20030114	70
3	☒		US	6496836	B1	20021217	17
4			us	6445364	B1	20020903	18
5	×		US	6443894	B1	20020903	14
6	⊠		us	6443843	В1	20020903	29
7	⊠		US	6424332	B1	20020723	18
8	⊠		US	6408952	B1	20020625	29
9	Ø		us	6408330	B1	20020618	74
10	×		us	6389311	B1	20020514	51
11	×		us	6330482	В1	20011211	12
12	⊠		US	6289239	B1	20010911	51

	Title	Current OR	Current XRef	Retrieval Classif
1	Personal communication and positioning system	340/905	340/988; 340/995; 701/213	
2	Apparatus and method for displaying a menu with an interactive retail terminal	345/817	345/810; 705/16; 705/27	
3	Symbol-based memory language system and method	707/104.1	340/7.56; 379/226; 455/456; 709/206; 710/8	·
4	Portable game display and method for controlling same	345/8	345/156; 345/157; 345/158; 345/729; 345/781; 345/800; 463/34; 708/131; 708/141	
5	Medical diagnostic ultrasound system and method for mapping surface data for three dimensional imaging	600/443	128/916; 600/441	
6	System to provide game play for products	463/42	705/16; 705/26	
7	Image comparison apparatus and method	345/156	345/173; 345/176; 345/9	
8	Remote lock-out system and method for a horizontal direction drilling system	175/24	175/27; 175/45; 340/853.4; 340/853.6	
9	Remote data collecting and address providing method and apparatus	709/217	709/250; 709/328	
10	Systems and methods using annotated images for controlling the use of diagnostic or therapeutic instruments in interior body regions	600/523		
11	training system	700/9	700/17; 700/83; 709/200	
12	Interactive systems and methods for controlling the use of diagnostic or therapeutic instruments in interior body regions	600/523		

	Inventor	s	С	P	2	3	4	5	Image Doc. Displayed	PT
1	Obradovich, Michael L. et al.	Ø							US 6515595	
2	Cohen, Sally M. et al.								US 6507352	
3	Ronchi, Martino et al.								US 6496836	
4	Zwern, Arthur L.								US 6445364	
5	Sumanaweera, Thilaka S. et al.								US 6443894	
6	Walker, Jay S. et al.								US 6443843	
7	Powell, Douglas H.								US 6424332	
8	Brand, Ivan R. et al.								US 6408952	
9	DeLaHuerga, Carlos								US 6408330	
10	Whayne, James G. et al.								US 6389311	
11	McCain, Joseph H. et al.								US 6330482	
12	Panescu, Dorin et al.								US 6289239	

	บ	1	D	ocument	ID	Issue Dat	e Pages
13	×		US	6288707	В1	20010911	13
14	☒		US	6256009	В1	20010703	20
15	⊠		US	6253998	B1	20010703	35
16	×		US	6192266	B1	20010220	51
17	×		US	6177926	B1	20010123	23
18			US	6151581	A	20001121	69
19	⊠		US	6148261	A	20001114	45
20	×		US	6133853	A	20001017	61
21	Ø		US	6129449	A	20001010	13
22	×		us	6115626	A	20000905	51
23	$\boxtimes$		US	6106460	A	20000822	51
24	×		us	6098886	A	20000808	14

	Title	Current OR	Current XRef	Retrieval Classif
13	Capacitive position sensor	345/168	341/22; 345/173	
14	Method for automatically and intelligently scrolling handwritten input	345/684	178/18.03; 345/173; 345/784	
15	Fund-raising terminal and method for accepting monetary contributions by use of an information bearing card	235/380	235/462.45; 235/472.01	
16	Systems and methods for controlling the use of diagnostic or therapeutic instruments in interior body regions using real and idealized images	600/427	600/523	
17	Hand-held computer having input screen and means for preventing inadvertent actuation of keys	345/173	178/18.03; 345/156	
18	System for and method of collecting and populating a database with physician/patient data for processing to improve practice quality and healthcare delivery	705/3	705/10; 705/2; 707/102	
19	Personal communication system to send and receive voice data positioning information	701/208	340/286.01; 340/988; 340/995; 701/213; 701/300	
20	Personal communication and positioning system	340/905	340/488; 340/991; 340/995; 701/117	
21	Self-contained portable computing unit	700/244	345/173; 361/679	
22	Systems and methods using annotated images for controlling the use of diagnostic or therapeutic instruments in instruments in interior body regions	•	600/523	
23	Interface for controlling the display of images of diagnostic or therapeutic instruments in interior body regions and related data	600/300		
24	Glove-mounted system for reading bar code symbols	235/472.01	235/462.44	

	Inventor	s	С	P	2	3	4	5	Image Doc. Displayed	PT
13	Philipp, Harald								US 6288707	
14	Lui, Charlton E. et al.								US 6256009	
15	Ziarno, Witold A.								US 6253998	
16	Dupree, Daniel A. et al.								US 6192266	
17	Kunert, Steven R.								US 6177926	
18	Kraftson, Raymond H. et al.								US 6151581	
19	Obradovich, Michael L. et al.								US 6148261	
20	Obradovich, Michael L. et al.								US 6133853	
21	McCain, Joseph H. et al.								US 6129449	
22	Whayne, James G. et al.								US 6115626	
23	Panescu, Dorin et al.								US 6106460	
24	Swift, Philip W. et al.								US 6098886	

	U	1	Doci	ument	ID	Issue	Date	Pages
25			US 60	85972	Α	200007	11	58
26	⊠		US 60	72475	A	200006	06	17
27	×		US 60	65677	A	200005	23	57
28	×		US 60	62478	A	200005	16	57
29	×		US 60	62477	A	200005	16	58
30			US 60	53412	A	200004:	25	60
31	×		US 60	53411	A	200004:	25	59
32	$\boxtimes$		US 60	53410	A	200004:	25	59
33	×		US 60	48268	A	200004	1.1	8
34	⊠		US 60	39258	A	200003:	21	24
35	Ø		US 60	24281	Α	200002	15	9
36	⊠		US 60	14581	Α	200001	11	51
37	☒		US 59	96080	A	1999113	30	16

	Title	Current OR	Current XRef	Retrieval Classif
25	Retail terminal having a tilt mechanism which includes a ratchet member for positioning a display monitor relative to a stationary base	235/375	248/923	
26	Touch screen	345/173	345/156	
27	Retail terminal having a base assembly which is mountable on any one of a plurality of mounting plates and associated method	235/462.43		
28	Method of operating a retail terminal having a core module assembly which is movable between a number of base assemblies		235/462.43	
29	Apparatus and method of operating a retail terminal having a single-orientation base assembly and a multiple-orientation base assembly	235/462.43	235/383	
30	Retail terminal which is configured to protect electrical cables interfaced thereto and associated method	235/462.43	235/375	
31	Retail terminal and associated mounting method	235/462.43		
32	Retail terminal having a plurality of base assemblies each of which includes a separate power supply and associate method	235/462.43	361/725	
33	Electronic promotional game	463/17	273/139; 463/16	
34	Hand-held portable data collection terminal system	235/472.01	235/447; 235/456; 235/462.15; 235/477	
35	Nutritional information system for shoppers	235/375	235/380; 235/383	
36	Interface for performing a diagnostic or therapeutic procedure on heart tissue with an electrode structure	600/523		
37	Safe, virtual trigger for a portable data capture terminal	713/320	345/169; 345/173	

	Inventor	s	С	P	2	3	4	5	Image Doc. Displayed	PT
25	Wright, David M.								US 6085972	
26	van Ketwich, Johan Richard								US 6072475	
27	Lippert, Kurt J. et al.								US 6065677	
28	Izaguirre, Jose L. et al.								US 6062478	
29	Wike, Jr., Charles K. et al.								US 6062477	
30	Wike, Jr., Charles K. et al.								US 6053412	
31	Nugent, Jr., Paul F. et al.								US 6053411	
32	Wike, Jr., Charles K. et al.								US 6053410	
33	Humble, David R.								US 6048268	
34	Durbin, Dennis A. et al.								US 6039258	
35	Shepley, Kenneth James								US 6024281	
36	Whayne, James G. et al.								US 6014581	
37	Silva, Dennis et al.								US 5996080	

	U	1	D	ocument	ID	Issue	Date	Pages
38	×		US	5978225	Α	1999110	02	58
39	×		US	5973922	A	1999102	26	58
40	⊠		US	5914481	A	1999062	22	44
41	⊠		US	5895902	Α	1999042	20	57
42			US	5860008	A	199901	12	74
43	×		us	5841115	A	1998112	24	
44	☒		US	5825353	A	1998102	20	
45	⊠		US	5818451	A	1998100	06	
46	⊠		US	5805416	A	1998090	08	
47	Ø		US	5763865	A	1998060	)9	
48	×		us	5706026	A	1998010	06	
49	×		US	5696366	Α	1997120	)9	
50	$\boxtimes$		US	5687971	A	199711	18	

	Title	Current OR	Current XRef	Retrieval Classif
38	Apparatus and method for dissipating heat from a core module assembly of a retail terminal	361/707	165/80.2; 165/80.3; 361/688; 361/690; 361/704; 361/709; 361/713; 361/719; 454/184	
39	Apparatus and method of securing a heat dissipating cover to a thermally conductive housing associated with a retail terminal	361/704	165/104.33; 165/80.2; 174/16.3; 257/718; 361/687; 361/688; 361/707; 361/713; 361/714	
40	Portable data collection terminal with handwritten input area	235/462.15		
41	Method of contributions management, and device and networks therefor	235/380	705/45	
42	Method and apparatus for decompiling a compiled interpretive code	717/137		
43	Nutritional information system for shoppers	235/375	235/380; 700/90	
44	Control of miniature personal digital assistant using menu and thumbwheel		345/684; 345/864; 368/10	
45	Computer programmed soft keyboard system, method and apparatus having user input displacement	345/840	341/24; 345/178; 379/93.19	
46	Modular hand-held data capture terminal	361/686	235/472.01; 361/683; 361/684	
47	Reader module for reading bar code symbols when connected to or disconnected from a terminal module	235/462.3	235/383; 235/454; 235/462.45	
48	Finger operated digital input device	345/156	345/163	
49	Method for streamlining the giving of contribution and gift commitments	235/380	705/40	
50	Bingo game management method	273/269	463/16; 463/19	

	Inventor	s	С	P	2	3	4	5	Image Doc. Displayed	PT
38	Kamphuis, Kevin L.								US 5978225	
39	Kamphuis, Kevin L.								US 5973922	
40	Danielson, Arvin D. et al.								US 5914481	
41	Ziarno, Witold A.								US 5895902	
42	Bradley, Shayne P.								US 5860008	
43	Shepley, Kenneth James									
44	Will, Craig Alexander									
45	Bertram, Randal Lee et al.									
46	Friend, Steven Darren et al.									
47	Swift, Philip W. et al.									
48	Kent, Robert Hormann et al.								<u> </u>	
49	Ziarno, Witold A.									
50	Khaladkar, Vikas									

	ט	1	E	ocument	ID	Issue	Date	Pages
51	$\boxtimes$		US	5665952	Α	1997090	)9	
52	⊠		US	5663547	A	1997090	)2	
53	⊠		us	5309351	Α	1994050	)3	
54	Ø		US	5251294	A	1993100	)5	
55	⊠		US	5233513	Α	1993080	)3	
56	⊠		us	4866634	A	1989091	12	
57	⊠		US	4730186	A	1988030	08	

	Title	Current OR	Current XRef	Retrieval Classif
51	Method of streamlining the acknowledgement of a multiplicity of contribution or gift commitments made at a plurality of remote locations to distinct fund-raising organizations and gift recipients and system therefor		705/1	
52	Method of fund-raising with a keyless contribution and gift commitment management device		235/375; 235/376; 235/379; 235/385; 235/472.02; 705/1; 902/4	
53	Communications, information, maintenance diagnostic and training system	700/3	340/3.32; 340/3.71; 340/825.72; 359/144; 700/80; 702/185	
54	Accessing, assembling, and using bodies of information	715/512	345/967	
55	Business modeling, software engineering and prototyping method and apparatus	705/7	705/1	
56	Data-driven, functional expert system shell	706/60	705/38; 706/11; 706/925	
57	Input integrated flat panel display system	345/179	178/18.03; 345/182; 345/667	

	Inventor	s	С	P	2	3	4	5	Image Doc. Displayed	PT
51	Ziarno, Witold A.									
52	Ziarno, Witold A.									
53	McCain, Joseph H. et al.									
54	Abelow, Daniel H.									
55	Doyle, William P.									
56	Reboh, Rene et al.									
57	Koga, Kazuyoshi et al.									

## Printed by EAST

UserID: SAzarian

Computer: WS08483

**Date:** 02/10/2003

**Time:** 05:56

	Туре	L#	Hits	Search Text	DBs	Time Stamp
1	BRS		221	` ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	•	2003/02/10 05:54
2	BRS	L2			USPAT	2003/02/10 05:56

	Comments	Error Definition	Err
	Conditioned	BITOI DELIMICION	ors
1			0
2			0

	υ	1	I	ocument	ID	Issue Date	Pages
1			US	6456740	B1	20020924	13
2	×		US	6445820	B1	20020903	15
3	$\boxtimes$		us	6441927	В1	20020827	16
4	⊠		us	6392632	B1	20020521	11
IJ	⊠		us	6334003	B1	20011225	14

	Title	Current OR	Current XRef	Retrieval Classif
1	System and method for identifying form type in a handwriting recognition based form completion system	382/187	178/18.01; 178/18.03; 358/473; 358/478; 382/181; 382/186; 382/188; 382/202; 382/306; 382/313; 382/314; 715/500; 715/505; 715/507; 715/541	
2	Method for conducting analysis of handwriting	382/187	382/115; 382/116; 382/119; 382/154; 382/181; 382/186; 382/188; 382/202; 382/218; 382/313; 382/314; 902/3; 902/5	
3	Appliance and method for viewing captured images	358/473	382/313	
4	Optical mouse having an integrated camera	345/158	345/156; 345/163; 345/166; 382/313; 382/314	
5	Data input system for enabling data input by writing without using tablet or the like	382/313	345/179; 358/473; 358/478; 382/120; 382/121; 382/122; 382/181; 382/187; 382/188; 382/202; 382/309; 382/312	

	Inventor	S	С	P	2	3	4	5	Image Doc. Displayed	РТ
1	Carini, Paul Robert et al.	⊠							US 6456740	
2	Love, Patrick B.								US 6445820	
3	Dow, James C. et al.								US 6441927	
4	Lee, Wen-Chieh Geoffrey								US 6392632	
5	Yokota, Kazuaki								US 6334003	

	ט	1	Ι	ocument	ID	Issue Date	Pages
6	×		us	6333988	B1	20011225	13
7	×		US	6320974	B1	20011120	16
8	☒		ບຣ	6310988	В1	20011030	42
9			us	6304313	B1	20011016	22
10	×		US	6295391	B1	20010925	20
11	⊠		US	6295390	В1	20010925	21
12	×		US	6292595	В1	20010918	24
13	×		US	6289140	В1	20010911	14
14	☒		US	6275309	B1	20010814	18
15	☒		US	6226422	B1	20010501	14
16	⊠		us	6208435	В1	20010327	10
17	☒		US	6104845	A	20000815	21
18	☒		us	6081629	A	20000627	10
19	Ø		US	6064779	A	20000516	12

	Title	Current OR	Current XRef	Retrieval Classif
6	Personal identification	382/117	351/206; 351/210; 351/221; 382/313; 396/18	
7	Stand-alone biometric identification system	382/115	340/5.8; 361/680; 361/682; 361/683; 361/727; 382/118; 382/119; 382/313	
8	Methods and apparatus for camera pen	382/313	382/189; 382/309	
9	Digital camera and document	355/18	358/488; 382/112; 382/164; 382/289; 382/313; 382/317; 382/318; 382/321; 396/429	
10	Automatic data routing via voice command annotation	382/313	381/110; 382/312; 382/321; 704/275	
11	Image input/output apparatus with light illumination device for two-dimensional illumination	382/313 .	358/473; 358/474	
12	Image recording device	382/313	358/473	
13	Voice control input for portable capture devices	382/313	704/275	
14	Lightweight mobile scanners	358/473	382/313	
15	applications	382/313	382/312	
16	Method and apparatus for providing a handheld scanner-dictionary apparatus	358/473	382/313	
17	Hand-held scanner with rotary position detector	382/313	235/472.01; 358/473	
18	Handheld scanner and accompanying remote access agent	382/313	358/473	
19	Handheld document scanner	382/313	358/412; 358/473	

	Inventor	s	С	P	2	3	4	5	Image Doc. Displayed	PT
6	Seal, Christopher Henry et al.								US 6333988	
7	Glaze, Mary L. et al.								US 6320974	
8	Flores, L. Noah et al.								US 6310988	
9	Honma, Hideo								US 6304313	
10	Rudd, Michael L et al.								US 6295391	
11	Kobayashi, Isao et al.								US 6295390	
12	Petteruti, Steven F. et al.								US 6292595	
13	Oliver, Thomas C								US 6289140	
14	Hu, Darwin et al.								US 6275309	
15	Oliver, Thomas C.								US 6226422	
16	Zwolinski, Jan Scott								US 6208435	
17	Lipman, Adi et al.								US 6104845	
18	Browning, Denton R.								US 6081629	
19	Neukermans, Armand P. et al.								US 6064779	

	บ	1	D	ocument	ID	Issue Date	Pages
20	×		US	6044165	Α	20000328	11
21	☒		US	6038333	A	20000314	13
22	⊠		US	6034379	A	20000307	41
23	×		US	6031941	A	20000229	25
24	×		US	5994710	Α	19991130	15
25	⊠		US	5850058	A	19981215	22
26	⊠		US	5825502	A	19981020	6
27	⊠		US	5822082	Α	19981013	27
28	×		US	5818028	A	19981006	20
29	⊠		us	5814827	Α	19980929	15
30	⊠		US	5754713	A	19980519	16

	Title	Current OR	Current XRef	Retrieval Classif
20	visual input	382/103	345/179; 382/186; 382/313	
21	management system .	382/118	382/313	
22	Code reader having replaceable optics assemblies supporting multiple illuminators	250/566	235/472.01; 250/205; 382/313	
23	Three-dimensional model data forming apparatus	382/276	382/154; 382/285; 382/295; 382/312; 382/313; 382/318	
24	Scanning mouse for a computer system	250/557	250/208.1; 250/234; 250/559.44; 345/158; 345/163; 382/313	
25	Information processor	178/18.01	345/179; 345/183; 382/188; 382/313	
26	Device for close-up photography of surfaces	358/296	355/47; 358/401; 358/473; 358/498; 358/909.1; 382/313	
27	Image processing apparatus	358/401	358/444; 358/450; 358/452; 358/473; 382/284; 382/313	
28	Portable data collection device with two dimensional imaging assembly	235/472.01	235/462.01; 382/312; 382/313; 382/321	
29	Optical scanner with extended depth of focus	250/556	235/472.01; 250/566; 382/313	
30	Image-reading device	382/313	358/452; 358/473; 382/315	

	Inventor	s	С	P	2	3	4	5	Image Doc. Displayed	PT
20	Perona, Pietro et al.								US 6044165	
21	Wang, John Y. A.								US 6038333	
22	Bunte, Alan G. et al.								US 6034379	
23	Yano, Kotaro et al.								US 6031941	
24	Knee, Derek L. et al.								US 5994710	
25	Tano, Shunichi et al.								US 5850058	
26	Mayer, Rolf								US 5825502	
27	Sato, Shunji et al.								US 5822082	
28	Meyerson, Robert F. et al.								US 5818028	
29	Katz, Joseph								US 5814827	
30	Deguchi, Masanobu et al.								US 5754713	

	ט	1	E	ocument	ID	Issue Date	Pages
31	⊠		US	5656804	A	19970812	16
32	⊠		US	5648760	A	19970715	12
33	×		US	5630168	A	19970513	9
34	×		US	5598487	A	19970128	18
35	⊠		US	5596652	Α	19970121	14
36	×		US	5587560	Α	19961224	13
37	⊠		US	5536930	A	19960716	11
38	⊠		US	5467403	Α	19951114	
39	×		US	5459796	A	19951017	

	Title	Current OR	Current XRef	Retrieval Classif
31	Apparatus and method for sensing motion of a portable terminal	235/472.01	235/439; 235/440; 235/470; 382/313; 708/141	
32	Portable messaging and scheduling device with homebase station	340/825.25	340/309.15; 340/825.19; 382/313; 708/105; 708/131	
33	System for utilizing object oriented approach in a portable pen-based data acquisition system by passing digitized data by data type to hierarchically arranged program objects	710/5	235/462.49; 235/472.03; 358/473; 382/313; 382/314	
34	Hand-held data entry system removable signature pad	382/313	178/18.01; 345/169; 708/141; D10/65	
35	System and method for accounting for personnel at a site and system and method for providing personnel with information about an emergency site	382/115	382/183; 382/313	
36	Portable handwritten data capture device and method of using	178/18.03	235/379; 235/380; 345/173; 345/179; 345/182; 382/119; 382/187; 382/313; 382/325	
37	Apparatus and method for sensing positional orientations of a portable terminal	235/472.01	235/439; 235/440; 235/462.31; 235/462.46; 235/470; 382/312; 382/313; 708/141	
38	Portable fingerprint scanning apparatus for identification verification		340/5.83; 348/158; 382/127; 382/313	
39	System for entering handwritten data into computer generated forms	382/187	345/17; 358/473; 382/313; 715/507	

	Inventor	s	С	P	2	3	4	5	Image Doc. Displayed	PT
31	Barkan, Edward et al.								US 5656804	
32	Kumar, Rajendra								US 5648760	
33	Rosebrugh, Christopher et al.								US 5630168	
34	Hacker, David C. et al.								US 5598487	
35	Piatek, John T. et al.								US 5596652	
36	Crooks, John F. et al.								US 5587560	
37	Barkan, Edward et al.								US 5536930	
38	Fishbine, Glenn M. et al.									
39	Boyer, Monty L.									

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40	⊠		US	5420943	A	19950530	
41	Ø		US	5355146	A	19941011	
42	⊠		us	5308936	A	19940503	
43	Ø		US	5235651	A	19930810	
44	⊠		US	5214428	A	19930525	
45	⊠		US	5123064	Α	19920616	
46	⊠		US	5063508	A	19911105	
47	☒		US	5059778	Α	19911022	
48	⊠		US	5023922	A	19910611	
49	⊠		US	5012349	A	19910430	
50	⊠		US	4984287	Α	19910108	
51	⊠		US	4969054	A	19901106	
52	⊠		US	4953225	A	19900828	
53	⊠		US	4949391	A	19900814	

	Title	Current OR	Current XRef	Retrieval Classif
40	Universal computer input device	382/313	235/462.18; 235/462.41; 345/166; 358/486; 382/321	
41	Multi-directional hand scanner and mouse	345/156	345/163; 358/473; 382/313	
42	Ultrasonic pen-type data input device	178/19.02	178/18.04; 382/313	
43	Rotation of images for optical character recognition	382/290	358/486; 382/297; 382/313	
44	Data input grid for computer	341/20	178/18.01; 250/221; 345/179; 382/313	
45	Hand-held data entry system and removable signature pad module therefor	382/313	178/18.03; 345/156; 382/186; 708/141; D10/65	
46	Translation system with optical reading means including a moveable read head	704/3	235/462.45; 235/472.01; 382/313; D14/339	
47	Portable data scanner apparatus	235/472.02	235/462.48; 382/313	
48	Optical character reader	382/313	235/472.01; 358/497; 382/199	
49	Method and portable device for detection, storage and for eventual processing and reproduction of graphic symbols appearing on any type of carrier	358/296	346/143; 358/473; 382/313	
50	Method for orienting a dual mouse optical scanner	382/313	345/163; 358/473; 382/289	
51	Hand-held manually sweeping apparatus for reading image data	358/473	358/445; 382/313	
52	Handwritten character-recognizing apparatus for automatically generating and displaying character frames	382/179	382/185; 382/231; 382/313	
53	Adaptive image acquisition system	382/313	382/221	

	Inventor	s	С	P	2	3	4	5	Image Doc. Displayed	PT
40	Mak, Stephen M.									
41	Chiu, Wing-Lim et al.									
42	Biggs, Michael P. et al.									
43	Nafarieh, Asghar									
44	Allen, Gregory									
45	Hacker, David C. et al.									
46	Yamada, Yoshimi et al.									
47	Zouzoulas, John et al.									
48	Abramovitz, Robert G. et al.									
49	de Fay, Stefan G.									
50	Massoudi, Firooz									
51	Tsuji, Akio et al.									
52	Togawa, Fumio et al.									
53	Faulkerson, James L. et al.									

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54	☒		US	4947261	A	19900807	
55	☒		US	4942621	A	19900717	
56	☒		US	4901364	A	19900213	
57	⊠		US	4899228	A	19900206	
58	☒		US	4894730	A	19900116	
59	☒		US	4890230	A	19891226	
60	×		US	4860377	A	19890822	
61	☒		US	4809351	A	19890228	
62	⊠		US	4804949	A	19890214	
63	⊠		us	4797544	A	19890110	
64	$\boxtimes$		US	4752965	A	19880621	
65	⊠		us	4581761	A	19860408	
66	⊠		us	4457016	Α	19840626	

	Title	Current OR	Current XRef	Retrieval Classif
54	Portable image input device	358/473	358/471; 358/474; 382/313	
55	Method for mapping scanned pixel data	382/313	358/474; 382/291	
56	Interactive optical scanner system	382/313	341/23; 348/552; 382/321	
57	Manually sweeping apparatus with image sensor	358/473	347/224; 358/497; 382/313; 400/193; 400/88; D18/36	
58	Manually sweeping contact sensitive copier with image data memory	358/473	382/313	
59	Electronic dictionary	704/3	235/472.01; 382/313; 400/109	
60	Hand scanner input system and a sheet used in hand scanner input system		235/470; 235/472.01; 250/566; 250/568; 358/443; 358/494; 382/313	
61	Optical character reader	382/313	235/474; 382/323	
62	Hand-held optical scanner and computer mouse	345/166	235/462.45; 235/472.01; 250/221; 382/313	
63	Optical scanner including position sensors	250/221	358/473; 358/497; 382/313	
64	Sign verification	382/119	235/379; 235/380; 340/5.52; 382/313	
65	Manual image scanning system	382/313	178/18.01; 345/166; 382/320	
66	File label reading system	382/313	235/454; 235/462.49; 235/472.03; 235/483; 235/484	

	Inventor	ន	С	P	2	3	4	5	Image Doc. Displayed	PT
54	Ishikawa, Toshio et al.									
55	Angwin, George T.									
56	Faulkerson, James L. et al.									
57	Sano, Teruo et al.									
58	Yanagawa, Nikio et al.									
59	Tanoshima, Katsuhide et al.									
60	Ishigaki, Toshinori									
61	Abramovitz, Robert G. et al.									
62	Faulkerson, James L.									
63	Montgomery, James R. et al.									
64	Dunkley, Rowland A. et al.									
65	Ichinokawa, Kazuo et al.									
66	Pfeffer, George B.									

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67	×		US	4276541	A	19810630	
68	⊠		US	4251798	A	19810217	
69	Ø		us	4204636	A	19800527	9
70	×		us	4158194	A	19790612	
71	×		US	4118687	A	19781003	
72	⊠		us	4088981	A	19780509	
73	×		us	4061380	A	19771206	
74	×		US	3936596	A	19760203	
75	⊠		US	3885096	A	19750520	
76	⊠		US	3752961	Α	19730814	
77	Ø		US	3735395	A	19730522	

	Title	Current OR	Current XRef	Retrieval Classif
67	Display control of hand-written, memorized pattern at a preselected time	382/189	368/108; 368/251; 368/9; 382/100; 382/313; 382/324; 708/110; 968/895; 968/967; 968/DIG.1	
68	Portable laser scanning arrangement for and method of evaluating and validating bar code symbols	235/462.2	235/462.34; 235/462.36; 235/462.45; 250/568; 359/202; 359/216; 382/313	
69	Interface between data reading wand and cash register display	235/383	235/472.03; 382/313	
70	Optical recognition system	382/313	235/454; 345/156; 382/324	
71	Portable OCR system	382/311	235/437; 382/313; D14/424	
72	Automated data entry and display system	382/313	382/181	
73	Rotational strain relief with inline plug	439/29	382/313	
74	Optical projection apparatus	348/107	178/15; 348/112; 382/313	
75	Optical display device	178/15	345/180; 345/7; 382/313	
76	CIRCULAR TRACK CODED PATTERN READER	235/437	235/462.03; 235/462.28; 235/494; 250/555; 324/76.83; 382/313	
77	PROJECTION TYPE KEYBOARD DEVICE	341/24	345/168; 345/179; 382/313	

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67	Inoue, Tomohiro et al.									
68	Swartz, Jerome et al.									
69	Hayman, Richard W.								US 4204636	
70	McWaters, Lynn et al.									
71	McWaters, Lynn D. et al.									
72	Gott, Stephen P.									
73	Carnahan, Joe B. et al.									
74	Inuiya, Masafumi									
75	Inuiya, Masafumi									
76	Torrey, Bradford M.									
77	Iwabuchi, Yasuo et al.									

	ט	1	Document ID	Issue Date	Pages
78	⊠		US 3735350 A	19730522	

	Title	Current OR	Current XRef	Retrieval Classif
78	CODE SCANNING SYSTEM		235/462.49; 235/468; 235/469; 235/473; 235/495; 369/20; 382/313	

	Inventor	s	С	P	2	3	4	5	Image Doc. Displayed	PT
78	Lemelson, Jerome H.									